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Variable Stars (Surveys, Lists of Observations, Charts, etc.)

A Catalog and Atlas of Cataclysmic Variables—2nd Edition — Ronald A. Downes, Ronald F. Webbink, and Michael M. Shara; **109** (734), 345-440.

Secondary Photometric Standards for Northern Cataclysmic Variables and Related Objects — A. A. Henden and R. K. Honeycutt; **109** (734), 441-60.

BVRIJHK Photometry of Cepheid Variables — Thomas G. Barnes, , III, John A. Fernley, Marian L. Frueh, Javier García Navas, Thomas J. Moffett, and Ian Skillen; **109** (736), 645-58.

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— Atmospheric Intensity Scintillation of Stars. II. Dependence on Optical Wavelength — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **109** (736), 725-37.

Drummond, J. D. — Multispectral Imagery of Jupiter and Saturn Using Adaptive Optics and Acousto-Optic Tuning — D. A. Glenar, J. J. Hillman, M. LeLouarn, R. Q. Fugate, and J. D. Drummond; **109** (733), 326-37.

Duerbeck, Hilmar W. — Absolute-Magnitude Calibration for the W UMa-Type Systems Based on *HIPPARCOS* Data — Slavek M. Rucinski and Hilmar W. Duerbeck; **109** (742), 1340-50.

E

Eichhorn, Guenther — Trends in Astronomical Publication Between 1975 and 1996 — Eric Schulman, James C. French, Allison L. Powell, Guenther Eichhorn, Michael J. Kurtz, and Stephen S. Murray; **109** (741), 1278-84.

Elliot, J. L. — A Numerical Method for Calculating Stellar Occultation Light Curves from an Arbitrary Atmospheric Model — D. M. Chamberlain and J. L. Elliot; **109** (740), 1170-80.

Epand, D. H. — Wolfgang–Amadeus: The University of Vienna Twin Automatic Photoelectric Telescope — K. G. Strassmeier, L. J. Boyd, D. H. Epand, and Th. Granzer; **109** (736), 697-706.

Epstein, Gérard — Towards Asteroseismology from Space: The EVRIS Experiment. I. The Photometer: Description and Calibration — Jean Tristan Buey, Michel Auvergne, André Vuillemin, and Gérard Epstein; **109** (732), 140-50.

Erasmus, D. André — The Feasibility of Forecasting Cirrus Cloud Cover and Water Vapor above Telescope Sites in Northern Chile — D. André Erasmus and Robby Peterson; **109** (732), 208-14.

Esenoglu, Hasan H. — Spectroscopic and Photometric Analysis of Novae: A New Classification Method — Hasan H. Esenoglu; **109** (741), 1285 (A).

Evans, Nancy Remage — The Supergiant Binary BM Cas — J. D. Fernie and Nancy Remage Evans; **109** (735), 541-8.

F

Fan, Xiaohui — Quasar Photometry with the SDSS Monitor Telescope — Gordon T. Richards, Brian Yanny, James Annis, Heidi J. M. Newberg, Timothy A. McKay, Donald G. York, and Xiaohui Fan; **109** (731), 39-46.

Fanelli, Michael N. — The Ultraviolet Imaging Telescope: Instrument and Data Characteristics — Theodore P. Stecher, Robert H. Cornett, Michael R. Greason, Wayne B. Landsman, Jesse K. Hill, Robert S. Hill, Ralph C. Bohlin, Peter C. Chen, Nicholas R. Collins, Michael N. Fanelli, Joan I. Hollis, Susan G. Neff, Robert W. O'Connell, Joel D. Offenberg, Ronald A. Parise, Joel Wm. Parker, Morton S. Roberts, Andrew M. Smith, and William H. Waller; **109** (735), 584-99.

Fanetti, Tina M. — Herbig–Haro Objects in the ρ Ophiuchi Cloud — Bruce A. Wilking, Richard D. Schwartz, Tina M. Fanetti, and Eileen D. Friel; **109** (735), 549-53.

Feibelman, Walter A. — The *IUE* Spectrum of the Binary Nucleus of the Planetary Nebula NGC 1514 — Walter A. Feibelman; **109** (736), 659-66.

— A Reassessment of the *IUE* Emission-Line Spectrum of the Planetary Nebula NGC 5189 and its Central Star — Walter A. Feibelman; **109** (739), 982-9.

Fekel, Francis C. — Rotational Velocities of Late-Type Stars — Francis C. Fekel; **109** (735), 514-23.

Fernie, J. D. — The Supergiant Binary BM Cas — J. D. Fernie and Nancy Remage Evans; **109** (735), 541-8.

Fernley, John A. — *BVRIJHK* Photometry of Cepheid Variables — Thomas G. Barnes, , III, John A. Fernley, Marian L. Frueh, Javier García Navas, Thomas J. Moffett, and Ian Skillen; **109** (736), 645-58.

Ferrer, O. E. — The Interacting, Eclipsing Binary AU Monocerotis Revisited — J. Sahade, O. E. Ferrer, L. G. García, E. Brandi, and R. Barbá; **109** (741), 1237-40.

Fertig, M. R. — Magellanic Cloud X-ray Sources Observed with *ROSAT* — A. P. Cowley, P. C. Schmidtke, T. K. McGrath, A. L. Ponder, M. R. Fertig, J. B. Hutchings, and David Crampton; **109** (731), 21-38.

Filippenko, Alexei V. — A Black Hole in the X-Ray Nova Ophiuchi 19771 — Alexei V. Filippenko, Thomas Matheson, Douglas C. Leonard, Aaron J. Barth, and Schuyler D. Van Dyk; **109** (734), 461-7.
— Probing the Geometry and Circumstellar Environment of SN 1993J in M81 — Hien D. Tran, Alexei V. Filippenko, Gary D. Schmidt, Karen S. Bjorkman, Buell T. Jannuzi, and Paul S. Smith; **109** (735), 489-503.
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French, James C. — Trends in Astronomical Publication Between 1975 and 1996 — Eric Schulman, James C. French, Allison L. Powell, Guenther Eichhorn, Michael J. Kurtz, and Stephen S. Murray; **109** (741), 1278-84.
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— Superhumps in Cataclysmic Binaries. XII. CR Bootis, a Helium Dwarf Nova — Joseph Patterson, Jonathan Kemp, Anouk Shambrook, Eugene Thomas, J. P. Halpern, David R. Skillman, David A. Harvey, Tonny Vanmunster, Alon Retter, Robert Fried, David Buckley, Daisaku Nogami, Taichi Kato, and Hajime Baba; **109** (740), 1100-13.
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— Galactic Globular-Cluster Metallicity Scale from the Ca II Triplet. I. Catalog — Glen A. Rutledge, James E. Hesser, Peter B. Stetson, Mario Mateo, Luc Simard, Michael Bolte, Eileen D. Friel, and Yannick Copin; **109** (738), 883-906.
Frueh, Marian L. — *BVRIJHK* Photometry of Cepheid Variables — Thomas G. Barnes, , III, John A. Fernley, Marian L. Frueh, Javier García Navas, Thomas J. Moffett, and Ian Skillen; **109** (736), 645-58.
Fugate, R. Q. — Multispectral Imagery of Jupiter and Saturn Using Adaptive Optics and Acousto-Optic Tuning — D. A. Glenar, J. J. Hillman, M. LeLouarn, R. Q. Fugate, and J. D. Drummond; **109** (733), 326-37.
Fulbright, Jon P. — Night-Sky High-Resolution Spectral Atlas of OH Emission Lines for Echelle Spectrograph Wavelength Calibration. II. — Donald E. Osterbrock, Jon P. Fulbright, and Thomas A. Bida; **109** (735), 614-27.
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Gallagher, John S., III — The Star-Formation History in the Vicinity of NGC 1866 in the Large Magellanic Cloud — Benjamin W. Stappers, Jeremy R. Mould, Kim M. Sebo, Jon A. Holtzman, John S. Gallagher, III, Alan M. Watson, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, John T. Clarke, David Crisp, Richard E. Griffiths, J. Jeff Hester, John G. Hoessel, Paul A. Scowen, Karl R. Stapelfeldt, John T. Trauger, and James A. Westphal; **109** (733), 292-6.
Gallart, Carme — Old Populations and the Star-Formation History of the Local Group Dwarf Irregular Galaxy NGC 6822 — Carme Gallart; **109** (735), 629 (A).
Gao, Yu — Dense Molecular Gas in Galaxies and the Evolution of Luminous Infrared Galaxies — Yu Gao; **109** (740), 1189 (A).
García, L. G. — The Interacting, Eclipsing Binary AU Monocerotis Revisited — J. Sahade, O. E. Ferrer, L. G. García, E. Brandi, and R. Barbá; **109** (741), 1237-40.
Garstang, R. H. — Subrahmanyan Chandrasekhar (1910–1995) — R. H. Garstang; **109** (732), 73-7.
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Geisler, Doug — Washington Photometry of Globular-Cluster Giants: Ten Intermediate-Metallicity Clusters — Doug Geisler, Juan J. Clariá, and Dante Minniti; **109** (737), 799-806.
Giridhar, Sunetra — Elemental Abundances and Atmospheric Parameters of Seven F–G Supergiants — Sunetra Giridhar, A. Arellano Ferro, and L. Parrao; **109** (740), 1077-84.
Gizis, J. E. — Faint M Dwarfs and the Structure of the Galactic Disk — I. N. Reid, J. E. Gizis, J. G. Cohen, M. A. Pahre, D. W. Hogg, L. Cowie, E. Hu, and A. Songaila; **109** (735), 559-65.
Gizis, John E. — Probing the *LHS Catalog*. I. New Nearby Stars and the Coolest Subdwarf — John E. Gizis and I. Neill Reid; **109** (738), 849-56.
— M Subdwarf Secondaries: A Test of the Metallicity Scale — John E. Gizis and I. Neill Reid; **109** (741), 1233-6.
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— CHARM: A Tip-Tilt Tertiary System for the Calar Alto 3.5-m Telescope — Andreas Glindemann, Mark J. McCaughrean, Stefan Hippler, Christoph Birk, Karl Wagner, and Ralf-Rainer Rohloff; **109** (736), 688-96.
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— Detection of Extended Red Emission in the Diffuse Interstellar Medium — Karl D. Gordon; **109** (740), 1190 (A).
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— On the Hydrogen-Deficient Nature of Z Ursae Minoris — Aruna Goswami, N. Kameswara Rao, David L. Lambert, and Guillermo Gonzalez; **109** (737), 796-8.
Granzer, Th. — Wolfgang–Amadeus: The University of Vienna Twin Automatic Photoelectric Telescope — K. G. Strassmeier, L. J. Boyd, D. H. Epand, and Th. Granzer; **109** (736), 697-706.
Greason, Michael R. — The Ultraviolet Imaging Telescope: Instrument and Data Characteristics — Theodore P. Stecher, Robert H. Cornett, Michael R. Greason, Wayne B. Landsman, Jesse K. Hill, Robert S. Hill, Ralph C. Bohlin, Peter C. Chen, Nicholas R. Collins, Michael N. Fanelli, Joan I. Hollis, Susan G. Neff, Robert W. O'Connell, Joel D. Offenberg, Ronald A. Parise, Joel Wm. Parker, Morton S. Roberts, Andrew M. Smith, and William H. Waller; **109** (735), 584-99.
Gregg, Michael D. — Imaging With STIS on the *Hubble Space Telescope*: Astronomy at $V = 30$ — Michael D. Gregg and Dante Minniti; **109** (739), 1062-7.
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Guerrero, Martín A. — Spatially Resolved Study of Chemical Abundances in Planetary Nebulae — Martín A. Guerrero; **109** (731), 71 (A).
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Gupta, Ranjan — $E(B-V)$ Determinations of O and B Stars Using Artificial Neural Networks — R. K. Gulati, Ranjan Gupta, and Harinder P. Singh; **109** (737), 843-7.

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Hansen, Bradley Miles Stougaard — The Ages, Speeds, and Offspring of Pulsars — Bradley Miles Stougaard Hansen; **109** (731), 72 (A).

Harlow, Jason — Photometric Monitoring of Bright Be Stars. III. 1988–89 and 1992–95 — John R. Percy, Jason Harlow, Katharine A. S. Hayhoe, Inese I. Ivans, Matthew Lister, Rene Plume, Tara Rosebery, Sarah Thompson, and David Yeung; **109** (741), 1215-20.

Harris, William E. — Palomar 10 and NGC 6749: A Study in Contrasts — Denise Kaisler, William E. Harris, and Dean E. McLaughlin; **109** (738), 920-6.

— Dwarf Galaxies in the Coma Cluster. I. Detection, Measurement, and Classification Techniques — Jeff Secker and William E. Harris; **109** (742), 1364-76.

— Dwarf Galaxies in the Coma Cluster. II. Photometry and Analysis — Jeff Secker, William E. Harris, and Julia D. Plummer; **109** (742), 1377-93.

Harvey, David — Superhumps in Cataclysmic Binaries. X. V1974 Cygni (Nova Cygni 1992) — David R. Skillman, David Harvey, Joseph Patterson, and Tonny Vanmunster; **109** (732), 114-24.

— Superhumps in Cataclysmic Binaries. XI. V603 Aquilae Revisited — Joseph Patterson, Jonathan Kemp, Joelle Saad, David R. Skillman, David Harvey, Robert Fried, John R. Thorstensen, and Richard Ashley; **109** (734), 468-76.

Harvey, David A. — Superhumps in Cataclysmic Binaries. XII. CR Bootis, a Helium Dwarf Nova — Joseph Patterson, Jonathan Kemp, Anouk Shambrook, Eugene Thomas, J. P. Halpern, David R. Skillman, David A. Harvey, Tonny Vanmunster, Alon Retter, Robert Fried, David Buckley, Daisaku Nogami, Taichi Kato, and Hajime Baba; **109** (740), 1100-13.

Hayhoe, Katharine A. S. — Photometric Monitoring of Bright Be Stars. III. 1988–89 and 1992–95 — John R. Percy, Jason Harlow, Katharine A. S. Hayhoe, Inese I. Ivans, Matthew Lister, Rene Plume, Tara Rosebery, Sarah Thompson, and David Yeung; **109** (741), 1215-20.

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Hensberge, H. — High S/N Echelle Spectroscopy in Young Stellar Groups. I. Observations and Data Reduction — W. Verschueren, A. G. A. Brown, H. Hensberge, M. David, R. S. Le Poole, E. J. De Geus, and P. T. De Zeeuw; **109** (738), 868-82.

Hesser, James E. — Galactic Globular-Cluster Metallicity Scale from the Ca II Triplet. I. Catalog — Glen A. Rutledge, James E. Hesser, Peter B. Stetson, Mario Mateo, Luc Simard, Michael Bolte, Eileen D. Friel, and Yannick Copin; **109** (738), 883-906.

— Galactic Globular-Cluster Metallicity Scale from the Ca II Triplet. II. Rankings, Comparisons, and Puzzles — Glen A. Rutledge, James E. Hesser, and Peter B. Stetson; **109** (738), 907-19.

Hester, J. Jeff — The Star-Formation History in the Vicinity of NGC 1866 in the Large Magellanic Cloud — Benjamin W. Stappers, Jeremy R. Mould, Kim M. Sebo, Jon A. Holtzman, John S. Gallagher, III, Alan M. Watson, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, John T. Clarke, David Crisp, Richard E. Griffiths, J. Jeff Hester, John G. Hoessel, Paul A. Scowen, Karl R. Stapelfeldt, John T. Trauger, and James A. Westphal; **109** (733), 292-6.

Hildebrand, R. H. — Hertz, a Submillimeter Polarimeter — D. A. Schleuning, C. D. Dowell, R. H. Hildebrand, S. R. Platt, and G. Novak; **109** (733), 307-18.

Hill, Jesse K. — The Ultraviolet Imaging Telescope: Instrument and Data Characteristics — Theodore P. Stecher, Robert H. Cornett, Michael R. Greason, Wayne B. Landsman, Jesse K. Hill, Robert S. Hill, Ralph C. Bohlin, Peter C. Chen, Nicholas R. Collins, Michael N. Fanelli, Joan I. Hollis, Susan G. Neff, Robert W. O'Connell, Joel D. Offenberg, Ronald A. Parise, Joel Wm. Parker, Morton S. Roberts, Andrew M. Smith, and William H. Waller; **109** (735), 584-99.

Hill, Robert S. — The Ultraviolet Imaging Telescope: Instrument and Data Characteristics — Theodore P. Stecher, Robert H. Cornett, Michael R. Greason, Wayne B. Landsman, Jesse K. Hill, Robert S. Hill, Ralph C. Bohlin, Peter C. Chen, Nicholas R. Collins, Michael N. Fanelli, Joan I. Hollis, Susan G. Neff, Robert W. O'Connell, Joel D. Offenberg, Ronald A. Parise, Joel Wm. Parker, Morton S. Roberts, Andrew M. Smith, and William H. Waller; **109** (735), 584-99.

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Hintz, Eric G. — Time-Series Ensemble Photometry of SX Phoenicis Stars. I. BL Camelopardalis — Eric G. Hintz, Michael D. Joner, D. Harold McNamara, Kenneth A. Nelson, J. Ward Moody, and Chulhee Kim; **109** (731), 15-20.

— Fourier Decomposition of the Light Curves of Three Dwarf Cepheids: CY Aquarii, XX Cygni, and V798 Cygni — Eric G. Hintz and Michael D. Joner; **109** (736), 639-42.

— Time-Series Ensemble Photometry of SX Phoenicis Stars. II. AE Ursae Majoris — Eric G. Hintz, Maureen L. Hintz, and Michael D. Joner; **109** (740), 1073-6.

Hintz, Maureen L. — Time-Series Ensemble Photometry of SX Phoenicis Stars. II. AE Ursae Majoris — Eric G. Hintz, Maureen L. Hintz, and Michael D. Joner; **109** (740), 1073-6.

Hippler, Stefan — CHARM: A Tip-Tilt Tertiary System for the Calar Alto 3.5-m Telescope — Andreas Glindemann, Mark J. McCaughrean, Stefan Hippler, Christoph Birk, Karl Wagner, and Ralf-Rainer Rohloff; **109** (736), 688-96.

Hoard, D. W. — Strömgren *u* Photometry of CH Cygni in 1995 and 1996 — B. Rodgers, D. W. Hoard, T. Burdullis, L. Machado-Pelaez, M. O'Toole, and S. Reed; **109** (740), 1093-9.

Hodge, Paul W. — The Luminosity Function and Size Distribution of the H II Regions in M33 — Ted K. Wyder, Paul W. Hodge, and Brooke P. Skelton; **109** (738), 927-31.

Hoessel, John G. — The Star-Formation History in the Vicinity of NGC 1866 in the Large Magellanic Cloud — Benjamin W. Stappers, Jeremy R. Mould, Kim M. Sebo, Jon A. Holtzman, John S. Gallagher, III, Alan M. Watson, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, John T. Clarke, David Crisp, Richard E. Griffiths, J. Jeff Hester, John G. Hoessel, Paul A. Scowen, Karl R. Stapelfeldt, John T. Trauger, and James A. Westphal; **109** (733), 292-6.

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Holtzman, Jon A. — The Star-Formation History in the Vicinity of NGC 1866 in the Large Magellanic Cloud — Benjamin W. Stappers, Jeremy R. Mould, Kim M. Sebo, Jon A. Holtzman, John S. Gallagher, III, Alan M. Watson, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, John T. Clarke, David Crisp, Richard E. Griffiths, J. Jeff Hester, John G. Hoessel, Paul A. Scowen, Karl R. Stapelfeldt, John T. Trauger, and James A. Westphal; **109** (733), 292-6.

Honda, Satoshi — 1994–1996 Optical Outbursts of the BL Lac Object OJ 287 — Jun'ichi Arimoto, Kozo Sadakane, Satoshi Honda, and Kazuhito Tanabe; **109** (733), 300-2.

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Hoopes, Charles — UV Bright Galaxies in the Case Low-Dispersion Northern Sky Survey — Donna Weistrop, Shawn Cruzen, Charles Hoopes, and Ronald Angione; **109** (735), 566-70.

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— Near-Infrared Imaging of the Proposed $z=2$ Cluster Behind CL 0939+4713 (Abell 851) — J. B. Hutchings and T. J. Davidge; **109** (736), 667-72.

I

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Jenet, F. A. — A Wide-Bandwidth Digital Recording System for Radio Pulsar Astronomy — F. A. Jenet, W. R. Cook, T. A. Prince, and S. C. Unwin; **109** (736), 707-18.
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Mader, Jeff A. — Erratum: "A Photometric Analysis of the Binary System KO Aquilae" [PASP, **108**, 404 (1996)] — Jeff A. Mader and Ronald J. Angione; **109** (732), 216 (E).

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— Photometric Monitoring of Bright Be Stars. III. 1988–89 and 1992–95 — John R. Percy, Jason Harlow, Katharine A. S. Hayhoe, Inese I. Ivans, Matthew Lister, Rene Plume, Tara Rosebery, Sarah Thompson, and David Yeung; **109** (741), 1215-20.
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Ponder, A. L. — Magellanic Cloud X-ray Sources Observed with *ROSAT* — A. P. Cowley, P. C. Schmidtke, T. K. McGrath, A. L. Ponder, M. R. Fertig, J. B. Hutchings, and David Crampton; **109** (731), 21-38.
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Prince, T. A. — A Wide-Bandwidth Digital Recording System for Radio Pulsar Astronomy — F. A. Jenet, W. R. Cook, T. A. Prince, and S. C. Unwin; **109** (736), 707-18.

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Reed, B. Cameron — The Sun's Displacement from the Galactic Plane: Limits from the Distribution of OB-Star Latitudes — B. Cameron Reed; **109** (740), 1145-8.
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Reid, I. Neill — Probing the *LHS Catalog*. I. New Nearby Stars and the Coolest Subdwarf — John E. Gizis and I. Neill Reid; **109** (738), 849-56.
— M Subdwarf Secondaries: A Test of the Metallicity Scale — John E. Gizis and I. Neill Reid; **109** (741), 1233-6.
Remage Evans, Nancy — The Mass of the Classical Cepheid V350 Sagittarii — Nancy Remage Evans, Erika Böhm-Vitense, Kenneth Carpenter, Bernhard Beck-Winchatz, and Richard Robinson; **109** (737), 789-95.
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Robinson, Richard — The Mass of the Classical Cepheid V350 Sagittarii — Nancy Remage Evans, Erika Böhm-Vitense, Kenneth Carpenter, Bernhard Beck-Winchatz, and Richard Robinson; **109** (737), 789-95.
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Roddier, François — Stellar Coronagraph with Phase Mask — François Roddier and Claude Roddier; **109** (737), 815-20.
Rodgers, B. — Strömgren *u* Photometry of CH Cygni in 1995 and 1996 — B. Rodgers, D. W. Hoard, T. Burdullis, L. Machado-Pelaez, M. O'Toole, and S. Reed; **109** (740), 1093-9.
Rodriguez, J. A. — Remote Observing at the ESO NTT and CAT Telescopes — Albert A. Zijlstra, A. Wallander, L. Kaper, and J. A. Rodriguez; **109** (741), 1256-63.
Rohloff, Ralf-Rainer — CHARM: A Tip-Tilt Tertiary System for the Calar Alto 3.5-m Telescope — Andreas Glindemann, Mark J. McCaughrean, Stefan Hippler, Christoph Birk, Karl Wagner, and Ralf-Rainer Rohloff; **109** (736), 688-96.
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Rozas, Maite — H II Regions in the Disks of Spiral Galaxies — Maite Rozas; **109** (736), 740 (A).
Rubenstein, Eric P. — The Search for Main-Sequence Binary Stars in Galactic Globular Clusters — Eric P. Rubenstein; **109** (738), 933 (A).
Rucinski, Slavek M. — The Shortest-Period M-Dwarf Eclipsing System: BW3 V38 — Carla Maceroni and Slavek M. Rucinski; **109** (737), 782-8.

— Absolute-Magnitude Calibration for the W UMa-Type Systems Based on *HIPPARCOS* Data — Slavek M. Rucinski and Hilmar W. Duerbeck; **109** (742), 1340-50.

Rutledge, Glen A. — Galactic Globular-Cluster Metallicity Scale from the Ca II Triplet. I. Catalog — Glen A. Rutledge, James E. Hesser, Peter B. Stetson, Mario Mateo, Luc Simard, Michael Bolte, Eileen D. Friel, and Yannick Copin; **109** (738), 883-906.

— Galactic Globular-Cluster Metallicity Scale from the Ca II Triplet. II. Rankings, Comparisons, and Puzzles — Glen A. Rutledge, James E. Hesser, and Peter B. Stetson; **109** (738), 907-19.

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Sadakane, Kozo — 1994–1996 Optical Outbursts of the BL Lac Object OJ 287 — Jun'ichi Arimoto, Kozo Sadakane, Satoshi Honda, and Kazuhito Tanabe; **109** (733), 300-2.

Sahade, J. — The Interacting, Eclipsing Binary AU Monocerotis Revisited — J. Sahade, O. E. Ferrer, L. G. García, E. Brandi, and R. Barbá; **109** (741), 1237-40.

Sandage, Allan — The Mount Wilson Halo Mapping Project 1975–1985. I. The $UBV(RI)_{MW}$ Photometric System Compared with other Standard Systems: The Adopted Trigonometric HR Diagram in $(R - I)_{MW}$ and $(V - I)_{MW}$ — Allan Sandage; **109** (741), 1193-214.

Sanders, W. L. — Galaxy Morphology in the Virgo Cluster and in the de Vaucouleurs Groups — W. H. Julian, B. L. Kooiman, and W. L. Sanders; **109** (733), 297-9.

Sarajedini, Ata — The Relative Ages of Galactic Globular Clusters — Ata Sarajedini, Brian Chaboyer, and Pierre Demarque; **109** (742), 1321-39.

Schechter, Paul L. — The Orthogonal Transfer CCD — John L. Tonry, Barry E. Burke, and Paul L. Schechter; **109** (740), 1154-64.

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Schuster, W. J. — Temperatures for A0-K0 Supergiants from 13-Color Photometry — H. Bravo Alfaro, A. Arellano Ferro, and W. J. Schuster; **109** (739), 958-68.

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Secker, Jeff — Dwarf Galaxies in the Coma Cluster. I. Detection, Measurement, and Classification Techniques — Jeff Secker and William E. Harris; **109** (742), 1364-76.

— Dwarf Galaxies in the Coma Cluster. II. Photometry and Analysis — Jeff Secker, William E. Harris, and Julia D. Plummer; **109** (742), 1377-93.

Shafter, Allen W. — A Photometric Study of the Peculiar Binary Star V Sagittae — Jeff A. Mader and Allen W. Shafter; **109** (742), 1351-8.

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Shara, M. M. — An Optical Atlas of *Extreme Ultraviolet Explorer (EUVE)* Sources — M. M. Shara, L. E. Bergeron, C. A. Christian, N. Craig, and S. Bowyer; **109** (739), 998-1056.

Shara, Michael M. — A Catalog and Atlas of Cataclysmic Variables—2nd Edition — Ronald A. Downes, Ronald F. Webbink, and Michael M. Shara; **109** (734), 345-440.

Shaw, Richard A. — An Electronic Emission-Line Catalog for Planetary Nebulae — James B. Kaler, Richard A. Shaw, and Louise Browning; **109** (733), 289-91.

Shen, Zhi-Qiang — The Milliarcsecond Structure of a Sample of Southern Blazars — Zhi-Qiang Shen; **109** (740), 1191 (A).

Shetrone, Matthew D. — CNO Abundances of Bright Giants in the Globular Cluster M5 — Graeme H. Smith, Matthew D. Shetrone, Michael M. Briley, Christopher W. Churchill, and Roger A. Bell; **109** (733), 236-43.

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— Superhumps in Cataclysmic Binaries. XI. V603 Aquilae Revisited — Joseph Patterson, Jonathan Kemp, Joelle Saad, David R. Skillman, David Harvey, Robert Fried, John R. Thorstensen, and Richard Ashley; **109** (734), 468-76.

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— CN and CH Band Strengths of Bright Giants in the Globular Cluster M10 — Graeme H. Smith and Jon P. Fulbright; **109** (741), 1246-50.

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Stilburn, J. — A High-Sensitivity Quadrant Detector for Image-Stabilization Applications — J. Stilburn, M. Fletcher, B. Leckie, G. Barrick, and G. Monnet; **109** (740), 1165-6.
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— Orbital Periods for the Cataclysmic Binaries VZ Pyxidis, CC Cancri, and AH Eridani — John R. Thorstensen; **109** (741), 1241-5.
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Tonry, John L. — The Orthogonal Transfer CCD — John L. Tonry, Barry E. Burke, and Paul L. Schechter; **109** (740), 1154-64.
Tran, Hien D. — Probing the Geometry and Circumstellar Environment of SN 1993J in M81 — Hien D. Tran, Alexei V. Filippenko, Gary D. Schmidt, Karen S. Bjorkman, Buell T. Jannuzi, and Paul S. Smith; **109** (735), 489-503.
Trauger, John T. — The Star-Formation History in the Vicinity of NGC 1866 in the Large Magellanic Cloud — Benjamin W. Stappers, Jeremy R. Mould, Kim M. Sebo, Jon A. Holtzman, John S. Gallagher, III, Alan M. Watson, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, John T. Clarke, David Crisp, Richard E. Griffiths, J. Jeff Hester, John G. Hoessel, Paul A. Scowen, Karl R. Stapelfeldt, John T. Trauger, and James A. Westphal; **109** (733), 292-6.
Tremblay, Grégoire — Gallium Liquid Mirrors: Basic Technology, Optical-Shop Tests and Observations — Ermanno F. Borra, Grégoire Tremblay, Yannick Huot, and Jonny Gauvin; **109** (733), 319-25.
Trewhella, Matthew — Internal Extinction of Disk Galaxies — Matthew Trewhella; **109** (742), 1397 (A).
Trimble, Virginia — Astrophysics in 1996 — Virginia Trimble and Lucy Ann McFadden; **109** (732), 78-113.
— Parallaxes and Proper Motions of Prototypes of Astrophysically Interesting Classes of Stars. I. R Coronae Borealis Variables — Virginia Trimble and Arunav Kundu; **109** (740), 1089-92.
— Martin Schwarzschild (1912–1997) — Virginia Trimble; **109** (742), 1289-97.

U

Unwin, S. C. — A Wide-Bandwidth Digital Recording System for Radio Pulsar Astronomy — F. A. Jenet, W. R. Cook, T. A. Prince, and S. C. Unwin; **109** (736), 707-18.

Usher, P. D. — US 3215: An Active gE2 Galaxy — Steve B. Howell, Joseph E. Pesce, J. J. Condon, Robin Ciardullo, and P. D. Usher; **109** (740), 1149-53.

V

Van Dyk, Schuyler D. — A Black Hole in the X-Ray Nova Ophiuchi 19771 — Alexei V. Filippenko, Thomas Matheson, Douglas C. Leonard, Aaron J. Barth, and Schuyler D. Van Dyk; **109** (734), 461-7.

Vanmunster, Tonny — Superhumps in Cataclysmic Binaries. X. V1974 Cygni (Nova Cygni 1992) — David R. Skillman, David Harvey, Joseph Patterson, and Tonny Vanmunster; **109** (732), 114-24.

— Superhumps in Cataclysmic Binaries. XII. CR Bootis, a Helium Dwarf Nova — Joseph Patterson, Jonathan Kemp, Anouk Shambrook, Eugene Thomas, J. P. Halpern, David R. Skillman, David A. Harvey, Tonny Vanmunster, Alon Retter, Robert Fried, David Buckley, Daisaku Nogami, Taichi Kato, and Hajime Baba; **109** (740), 1100-13.

Vanzi, Leonardo — A Near-Infrared Study of Blue Dwarf Galaxies — Leonardo Vanzi; **109** (739), 1069 (A).

Vázquez, José Miguel Torrejón — Physical Properties of Be Stars in Open Clusters — José Miguel Torrejón Vázquez; **109** (742), 1396 (A).

Verschueren, W. — High S/N Echelle Spectroscopy in Young Stellar Groups. I. Observations and Data Reduction — W. Verschueren, A. G. A. Brown, H. Hensberge, M. David, R. S. Le Poole, E. J. De Geus, and P. T. De Zeeuw; **109** (738), 868-82.

Vuillemin, André — Towards Asteroseismology from Space: The EVRIS Experiment. I. The Photometer: Description and Calibration — Jean Tristan Buey, Michel Auvergne, André Vuillemin, and Gérard Epstein; **109** (732), 140-50.

W

Wachter, Stefanie — CG Muscae: A Cataclysmic Misclassification — Andrew C. Layden and Stefanie Wachter; **109** (739), 977-81.

Wagner, Karl — CHARM: A Tip-Tilt Tertiary System for the Calar Alto 3.5-m Telescope — Andreas Glindemann, Mark J. McCaughrean, Stefan Hippler, Christoph Birk, Karl Wagner, and Ralf-Rainer Rohloff; **109** (736), 688-96.

Wagner, R. Mark — Spectroscopic Observations of Some Be/B Stars at High Galactic Latitudes — Arne Slettebak, R. Mark Wagner, and Ray Bertram; **109** (731), 1-8.

Wainscoat, Richard J. — A New Color Image of the Crab Nebula — Richard J. Wainscoat and John Kormendy; **109** (733), 279-88.

Wallander, A. — Remote Observing at the ESO NTT and CAT Telescopes — Albert A. Zijlstra, A. Wallander, L. Kaper, and J. A. Rodriguez; **109** (741), 1256-63.

Waller, William H. — The Ultraviolet Imaging Telescope: Instrument and Data Characteristics — Theodore P. Stecher, Robert H. Cornett, Michael R. Greason, Wayne B. Landsman, Jesse K. Hill, Robert S. Hill, Ralph C. Bohlin, Peter C. Chen, Nicholas R. Collins, Michael N. Fanelli, Joan I. Hollis, Susan G. Neff, Robert W. O'Connell, Joel D. Offenberg, Ronald A. Parise, Joel Wm. Parker, Morton S. Roberts, Andrew M. Smith, and William H. Waller; **109** (735), 584-99.

Wallerstein, George — Stars Above the Red Horizontal Branch in M15 — Joanne Hughes and George Wallerstein; **109** (733), 274-8.

Watson, Alan M. — The Star-Formation History in the Vicinity of NGC 1866 in the Large Magellanic Cloud — Benjamin W. Stappers, Jeremy R. Mould, Kim M. Sebo, Jon A. Holtzman, John S. Gallagher, III, Alan M. Watson, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, John T. Clarke, David Crisp, Richard E. Griffiths, J. Jeff Hester, John G. Hoessel, Paul A. Scowen, Karl R. Stapelfeldt, John T. Trauger, and James A. Westphal; **109** (733), 292-6.

Webbink, Ronald F. — A Catalog and Atlas of Cataclysmic Variables—2nd Edition — Ronald A. Downes, Ronald F. Webbink, and Michael M. Shara; **109** (734), 345-440.

Weistrop, Donna — UV Bright Galaxies in the Case Low-Dispersion Northern Sky Survey — Donna Weistrop, Shawn Cruzen, Charles Hoopes, and Ronald Angione; **109** (735), 566-70.

Werthimer, D. J. — A Programmable 36 MHz Digital Filter Bank for Radio Science — D. C. Backer, M. R. Dexter, A. Zepka, D. Ng, D. J. Werthimer, P. S. Ray, and R. S. Foster; **109** (731), 61-8.

Westphal, James A. — The Star-Formation History in the Vicinity of NGC 1866 in the Large Magellanic Cloud — Benjamin W. Stappers, Jeremy R. Mould, Kim M. Sebo, Jon A. Holtzman, John S. Gallagher, III, Alan M. Watson, Gilda E. Ballester, Christopher J. Burrows, Stefano Casertano, John T. Clarke, David Crisp, Richard E. Griffiths, J. Jeff Hester, John G. Hoessel, Paul A. Scowen, Karl R. Stapelfeldt, John T. Trauger, and James A. Westphal; **109** (733), 292-6.

Wild, Walter J. — Reconstructing Flat Fields from Nonuniform Background-Illumination Sources — Walter J. Wild; **109** (741), 1269-77.

Wilking, Bruce A. — Herbig–Haro Objects in the ρ Ophiuchi Cloud — Bruce A. Wilking, Richard D. Schwartz, Tina M. Fanetti, and Eileen D. Friel; **109** (735), 549-53.

Wilson, Ray N. — Concerning the Alignment of Modern Telescopes: Theory, Practice, and Tolerances Illustrated by the ESO NTT — Ray N. Wilson and Bernard Delabre; **109** (731), 53-60.

Wirth, Gregory D. — The Nature of Early-Type Galaxies at the $z \approx 0.5$ Epoch — Gregory D. Wirth; **109** (733), 344 (A).

Wolff, Sidney C. — The Angular Momentum of Main-Sequence Stars and its Relation to Stellar Activity — Sidney C. Wolff and Theodore Simon; **109** (737), 759-75.

Wright, Edward L. — Drift Scanning Using Infrared Arrays: A Powerful Method for Background-Limited Imaging — Varoujan Gorjian, Edward L. Wright, and Ian S. McLean; **109** (737), 821-6.

Wyder, Ted K. — The Luminosity Function and Size Distribution of the H II Regions in M33 — Ted K. Wyder, Paul W. Hodge, and Brooke P. Skelton; **109** (738), 927-31.

Y

Yanny, Brian — Quasar Photometry with the SDSS Monitor Telescope — Gordon T. Richards, Brian Yanny, James Annis, Heidi J. M. Newberg, Timothy A. McKay, Donald G. York, and Xiaohui Fan; **109** (731), 39-46.

Yeung, David — Photometric Monitoring of Bright Be Stars. III. 1988–89 and 1992–95 — John R. Percy, Jason Harlow, Katharine A. S. Hayhoe, Inese I. Ivans, Matthew Lister, Rene Plume, Tara Rosebery, Sarah Thompson, and David Yeung; **109** (741), 1215-20.

York, Donald G. — Quasar Photometry with the SDSS Monitor Telescope — Gordon T. Richards, Brian Yanny, James Annis, Heidi J. M. Newberg, Timothy A. McKay, Donald G. York, and Xiaohui Fan; **109** (731), 39-46.

Young, Andrew T. — Atmospheric Intensity Scintillation of Stars. I. Statistical Distributions and Temporal Properties — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **109** (732), 173-207.

— Atmospheric Intensity Scintillation of Stars. II. Dependence on Optical Wavelength — Dainis Dravins, Lennart Lindegren, Eva Mezey, and Andrew T. Young; **109** (736), 725-37.

Z

Zaidins, C. S. — Observational Constraints on the Origin of the Aluminum Enhancements and Magnesium Depletions in Bright M13 Giants — G. E. Langer, R. D. Hoffman, and C. S. Zaidins; **109** (733), 244-51.

Zaidins, Clyde S. — Thermonuclear Reaction Rates for the $^{24}Mg(p,\gamma)^{25}Al$ Reaction — Clyde S. Zaidins and G.E. Langer; **109** (733), 252-5.

Zepka, A. — A Programmable 36 MHz Digital Filter Bank for Radio Science — D. C. Backer, M. R. Dexter, A. Zepka, D. Ng, D. J. Werthimer, P. S. Ray, and R. S. Foster; **109** (731), 61-8.

Zhiping, Li — Amplitude Variations in the δ Scuti Variable θ^2 Tauri — Li Zhiping, Zhou Aiying, and Yang Dawei; **109** (733), 217-20.

Zijlstra, Albert A. — Remote Observing at the ESO NTT and CAT Telescopes — Albert A. Zijlstra, A. Wallander, L. Kaper, and J. A. Rodriguez; **109** (741), 1256-63.

Zsoldos, Endre — The Nature of the Period Changes in RV Tauri Stars — John R. Percy, Michael Bezuhly, Monica Milanowski, and Endre Zsoldos; **109** (733), 264-9.